

Netmark-DocuShare

Integration Brainstorming

13 December 2002
NASA Ames Research Center

Integration Opportunities

- Basic
 - Windows Client & Web Search
 - Add context-based search capability to Windows Client & Web UI
 - Add IE toolbar UI
 - File Upload with Meta Data
 - Insert to Netmark at time of file upload through Web UI, Windows Client, or WebDav Client
 - with .meta file based on DocuShare metadata field entries
 - Administration
 - Enable modification of .config file(s)
 - Enable association of particular .config file with particular collections
 - History
 - Add context-based change-logs
(based on comparison of Netmark data structures for documents)
 - Add context-based views on history
(created at time of insertion or at time of request)
 - Subscriptions
 - Add context-based subscription capability
- Advanced
 - Document Re-composition
 - Add re-composition based on queries
 - Use “saved query” as the starting point for a “saved re-composition”?
 - Enable selection of output document type (e.g., .html & .doc)
 - Add forms processing
 - Automatically insert content into meta-data fields based on context-based search
 - This could be implemented as a script that can be subsequently modified for other contexts

DocuShare Full-text search

Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://198.123.13.88:8080/docushare/dsweb/SearchForm/Site

Search for: Maximum Results: 50

Sort Results: Ranked Order

Object Type: ☒ All

☐ These types only

☐ Document ☐ Collection ☐ URL ☐ BulletinBoard

☐ Bulletin ☐ User ☐ Group ☐ Calendar

☐ Event ☐ SavedQuery ☐ Subscription

Document Type: Any

Search

Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://198.123.13.88:8080/docushare/dsweb/SearchForm/Site

Where:

Any Part contains And

Any Part contains And

Any Part contains And

Any Part contains And

Create Date is after and is before mm/dd/yy

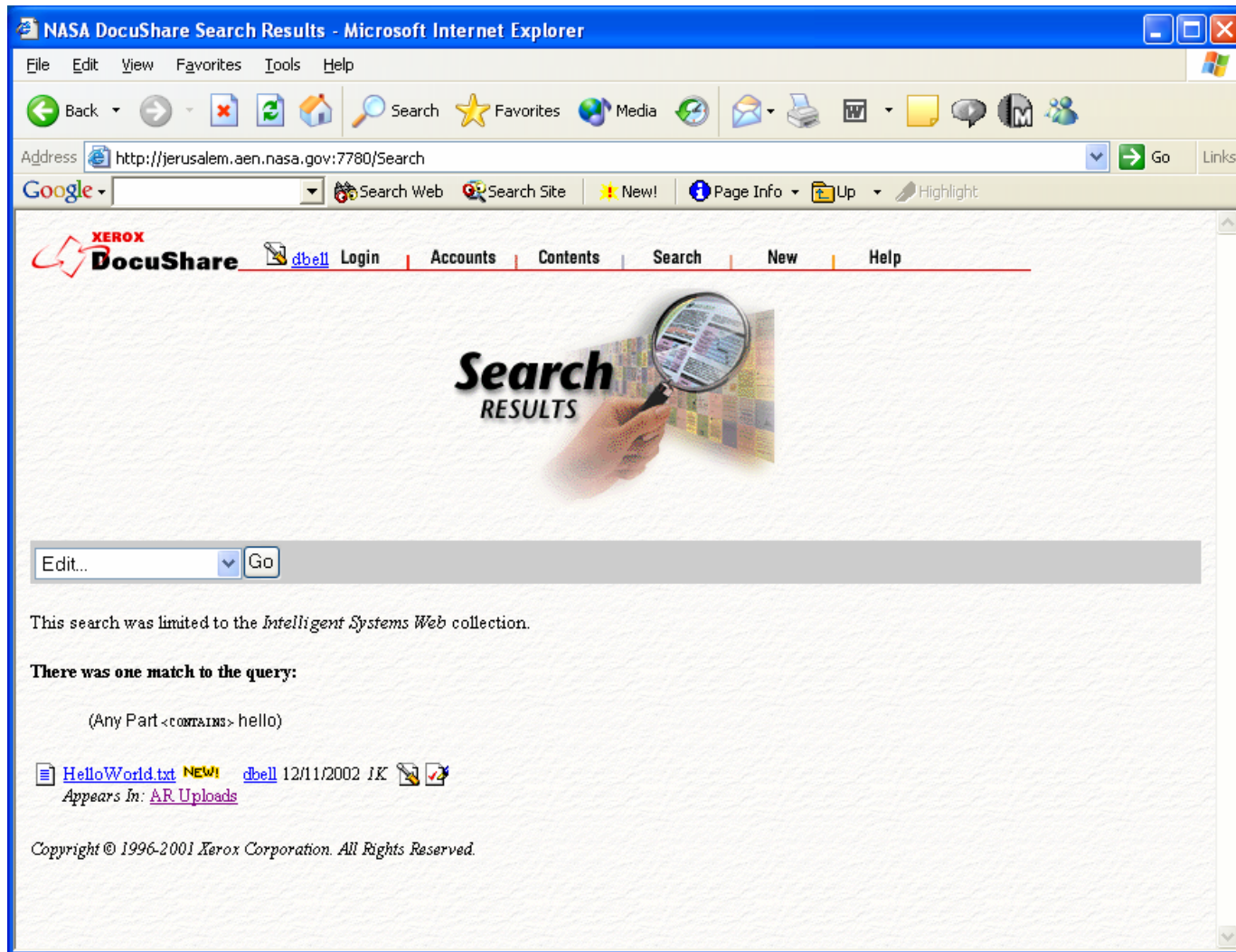
Create Date is after and is before mm/dd/yy

Search

Alternative search criteria

+ context criteria
(e.g., add 'context' to first pull-down)

Web UI Search Results



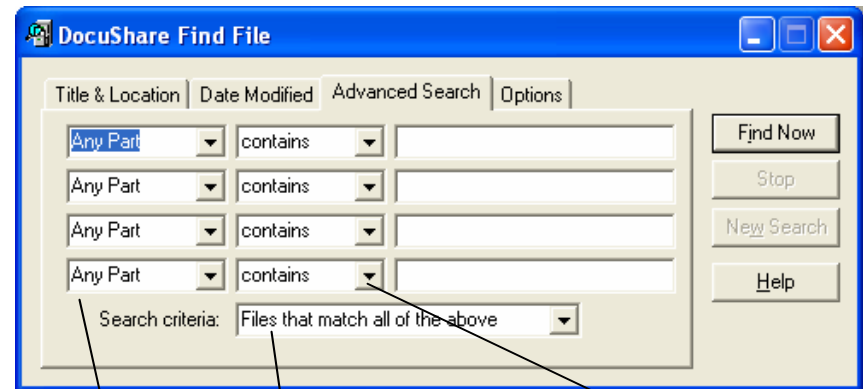
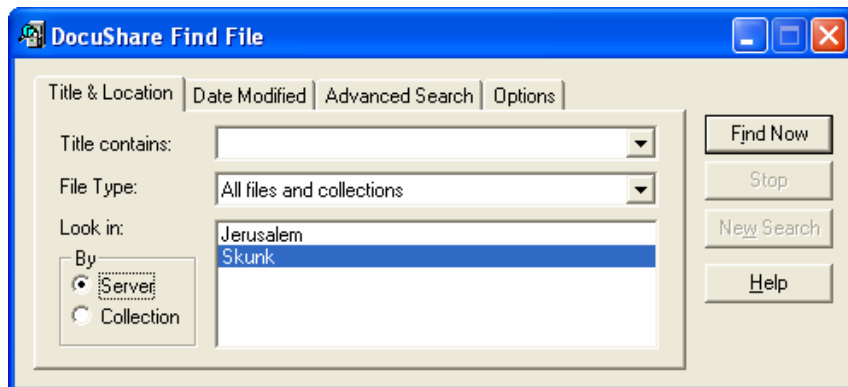
Alternative output format

+ Document

+ context

+ content

Search with the DocuShare Windows Client

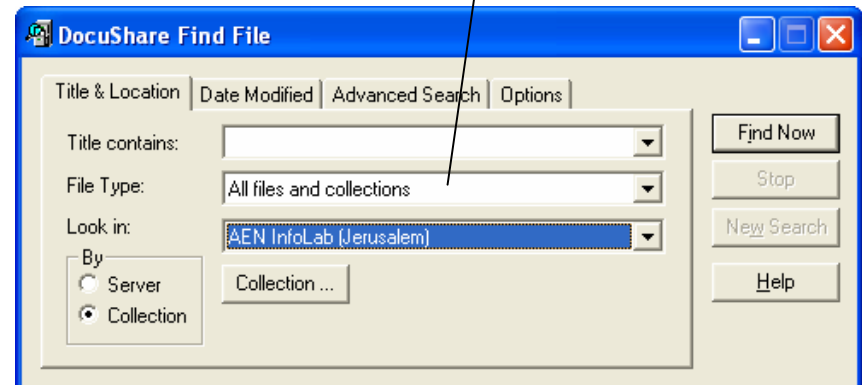
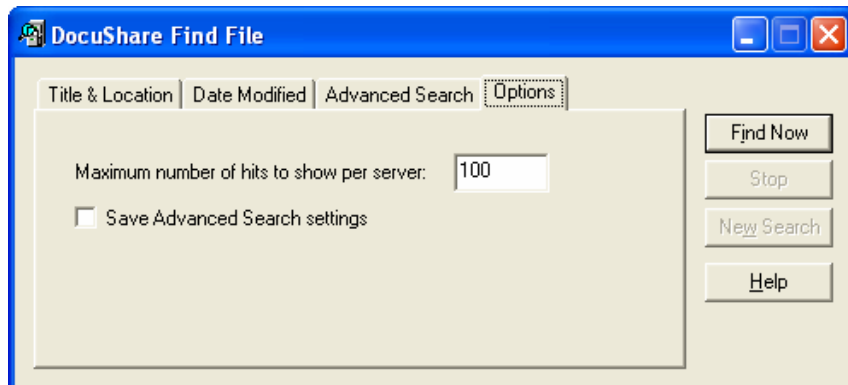
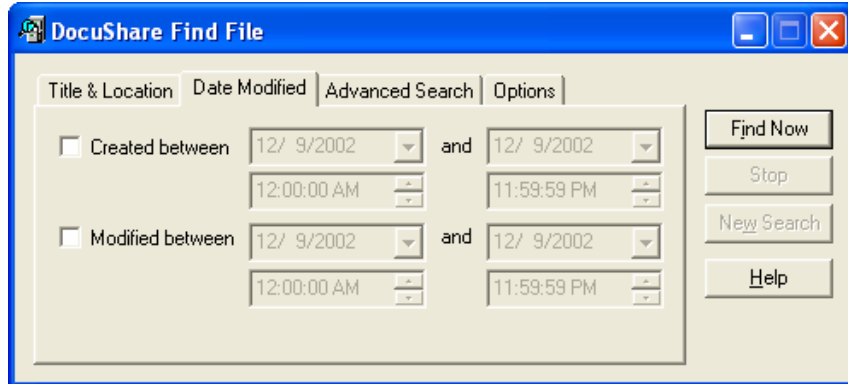


Any Part
Summary
Description
Content
Title
Owner
Modified By
Keywords
Custom

Files that match all of the above
Files that match any of the above

contains
does not contain
is
is not

All files and collections
Non-file objects as well
All files
Non-file objects only
Text files
Image files
MS Office files



Search Results with the DocuShare Windows Client

DocuShare Find File

Title & Location | Date Modified | Advanced Search | Options

Title contains:

File Type:

Look in:

By: ☒ Server ☐ Collection

Find Now
Stop
New Search
Help

Title	Created	Modified	Owner	User	Size	Type	File Name	Server
Example of a Sparrow page in D...	5/22/2002 2:31 PM	5/22/2002 2:31 PM	Tao Liang (User...		3 items	Collection		Skunk
Getting Started with Sparrow & ...	4/5/1997 8:23 PM	9/26/2001 5:06 PM	Site Administrato...	Tao Liang (User...	11 items	Collection		Skunk
Mark's Sparrow Site	7/24/2002 6:55 AM	7/24/2002 6:55 AM	Sparrow User (U...		4 items	Collection		Skunk
Sparrow Examples	8/27/2001 3:41 PM	8/27/2001 3:41 PM	David Bell (User...		5 items	Collection		Skunk
Sparrow Group templates	5/19/2002 9:31 PM	5/19/2002 9:31 PM	Tao Liang (User...		2 items	Collection		Skunk
Sparrow Manuals	8/27/2001 3:00 PM	8/27/2001 3:00 PM	Tao Liang (User...		3 items	Collection		Skunk
Sparrow Presentations	8/30/2001 10:11 AM	8/30/2001 10:11 AM	Conley (User-14)		7 items	Collection		Skunk
Sparrow Web project site in Doc...	2/1/2002 9:13 PM	2/1/2002 9:14 PM	Tao Liang (User...	Tao Liang (User...	5 items	Collection		Skunk
2001.10.04 Snapshot of Stanfor...	10/19/2001 10:16 AM	10/19/2001 10:18 AM	David Bell (User...	David Bell (User...	1692KB	MS PowerPoint f...	2001.10.04 Snapshot of Stanford's S...	Skunk
A Sparrow Web Blog page	5/10/2002 10:06 AM	5/10/2002 10:09 AM	Tao Liang (User...	Tao Liang (User...	15KB	HTML file	A Sparrow Web Blog page.html	Skunk
Advanced Sparrow Part 2 of 2	8/30/2001 10:32 AM	8/30/2001 11:41 AM	David Bell (User...	David Bell (User...	297KB	MS PowerPoint f...	Advanced Sparrow Part 2 of 2.ppt	Skunk
Advanced Sparrow Pt. 1 of 2	8/30/2001 10:12 AM	9/5/2001 4:15 PM	Conley (User-14)	Conley (User-14)	270KB	MS PowerPoint f...	Advanced Sparrow Pt. 1 of 2.ppt	Skunk
desc.htm	9/17/2001 12:17 PM	9/17/2001 12:17 PM	Tao Liang (User...		22KB	HTML file	desc.htm	Skunk
document.html	7/23/2002 1:27 PM	7/23/2002 1:28 PM	Sparrow User (U...	Sparrow User (U...	4KB	HTML file	document.html	Skunk
Introduction to Sparrow Web	3/27/2002 10:34 AM	6/25/2002 4:56 PM	Tao Liang (User...	David Bell (User...	131KB	MS Word file	Introduction to Sparrow Web.doc	Skunk
Introduction to Sparrow: Group...	9/3/2001 10:43 AM	9/4/2001 1:43 PM	Eric Bier (User-15)	Eric Bier (User-15)	1165KB	PDF file	Introduction to Sparrow_ Group-Edita...	Skunk
red_ribbon_PTA.html	7/23/2002 11:52 AM	10/8/2002 3:25 PM	Tao Liang (User...	Tao Liang (User...	16KB	HTML file	red_ribbon_PTA.html	Skunk
Shared Document with Sparrow ...	5/19/2002 9:33 PM	8/8/2002 4:20 PM	Tao Liang (User...	Tao Liang (User...	6KB	HTML file	Shared Document with Sparrow Grou...	Skunk
Sparrow at PARC & Stanford	8/30/2001 11:24 AM	8/30/2001 6:05 PM	David Bell (User...	David Bell (User...	1281KB	MS PowerPoint f...	Sparrow at PARC & Stanford.PPT	Skunk
Sparrow Contributor's Guide	8/27/2001 3:01 PM	8/27/2001 3:01 PM	Tao Liang (User...		324KB	MS Word file	Sparrow Contributor's Guide.doc	Skunk
Sparrow Introduction	8/27/2001 3:01 PM	8/27/2001 3:01 PM	Tao Liang (User...		36KB	MS Word file	Sparrow Introduction.doc	Skunk
Sparrow lessons-learned fall '01 ...	2/5/2002 5:30 PM	2/5/2002 5:30 PM	David Cannon ([...		11KB	Text file	Sparrow lessons-learned fall '01 v.txt	Skunk
Sparrow lessons-learned v.1	2/14/2002 8:30 PM	2/14/2002 8:30 PM	David Cannon ([...		28KB	Text file	Sparrow lessons-learned v.txt	Skunk
Sparrow Page Author's Guide	8/27/2001 3:02 PM	10/31/2002 10:58 AM	Tao Liang (User...	David Bell (User...	428KB	MS Word file	Sparrow Page Author's Guide.doc	Skunk
Sparrow related features in DS	8/30/2001 2:11 PM	8/30/2001 2:15 PM	Tao Liang (User...	Tao Liang (User...	248KB	MS PowerPoint f...	Sparrow related features in DS.ppt	Skunk
Sparrow Security: Future	8/30/2001 10:13 AM	8/30/2001 10:13 AM	Conley (User-14)		257KB	MS PowerPoint f...	Sparrow Security_ Future.ppt	Skunk
sparrow.gif	9/26/2001 5:06 PM	9/26/2001 5:06 PM	Tao Liang (User...		9KB	Gif file	sparrow.gif	Skunk
Sparrow: Lessons Learned (wor...	2/15/2002 1:58 PM	2/15/2002 1:58 PM	Jack Culpepper ...		53KB	MS Word file	Sparrow_ Lessons Learned (word doc...	Skunk
template-PTA-blog.html	7/23/2002 11:52 AM	7/23/2002 2:34 PM	Tao Liang (User...	Sparrow User (U...	7KB	HTML file	template-PTA-blog.html	Skunk
web-blog.html	5/22/2002 3:45 PM	5/22/2002 4:30 PM	Tao Liang (User...	Tao Liang (User...	16KB	HTML file	web-blog.html	Skunk

Search completed. 30 items found.

File Upload UI w/MetaData

The screenshot shows a web browser window titled "Add File - Microsoft Internet Explorer". The address bar displays "http://jerusalem.aen.nasa.gov:7780/RunToolbar/Collection-10". The page features the Xerox DocuShare logo and a navigation menu with links: dbell, Login, Accounts, Contents, Search, New, and Help. The main content area is titled "Add File" and contains the following form fields:

- Document:** (required) [text input] [Browse... button]
- Title:** (required) [text input]
- Summary:** [text input]
- Max Versions:** (required) [text input with value 4]
- Description:** [text area]
- Keywords:** [text input]
- Restrict Write:** ☐ Yes ☒ No
- Author:** [text input]
- Initial Permissions:** ☒ Same as parent ☐ Restricted to owner

[Apply button]

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+ insertion into Netmark
+ inclusion of .meta file

Customized Objects & Properties

Administration Main Menu Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://198.123.13.88:8080/docushare/jsp/admin/Main.jsp

Google Search Web Search Site New! Page Info Up Highlight

Administration Menu

- Object Properties
 - Bulletin
 - Bulletin Board
 - Calendar
 - Collection
 - Document
 - Event
 - Group
 - Saved Query
 - Subscription
 - URL
 - User
 - Custom Object**
 - Update Properties
- Account Management
- Services
- Content Management
- Site Management
- Admin UI Configuration

XEROX DocuShare HOME LOGOUT HELP

Cause Model Property Values

- Use this page to make changes to the default properties and the default property values of the object class Cause_Model.
- Click **Edit** to display the editable parameters page of a specific object property.
- Use the **Add Custom Property** menu to create custom properties for this object class.
- When you have completed editing the default properties for this object class, go to the **Update Properties** page to review and save your changes.

Add Custom Property ... Go

	Label	Type	Default	Required	System	Read Only	Search
Edit	Reported Closeout Due	Date					✓
Edit	Appointing Official	Text					✓
Edit	Approving Official	Text					✓
Edit	Incident Classification	Menu					✓
Edit	Incident Date	Date					✓
Edit	Incident Description	Text					✓
Edit	Note	Text					✓

Link Types

- Source** : Subscribed To, Owns, Modified
- Destination** : Contains
- Container Destination** : Contains

Delete Object

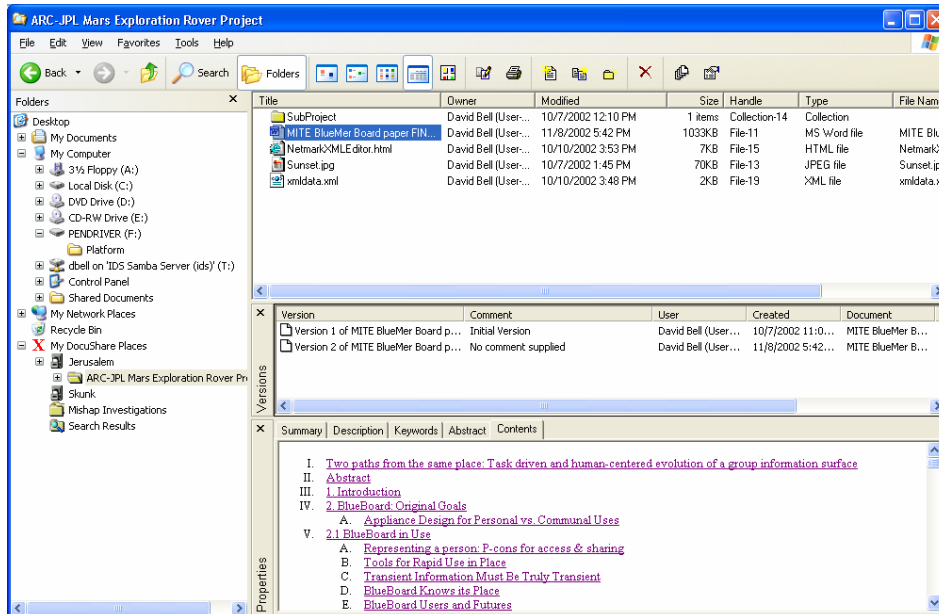
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+ .config editing

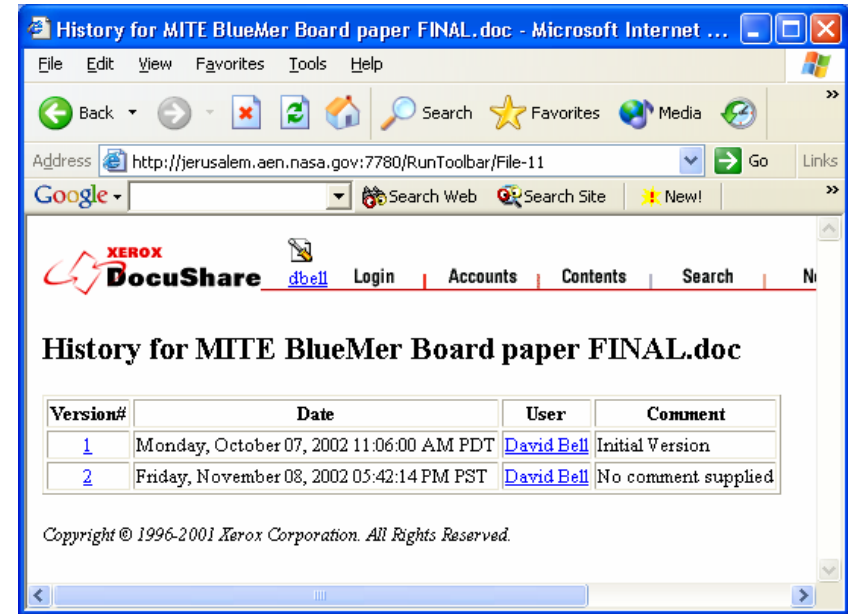
+ .config associations

Version History

Windows Client



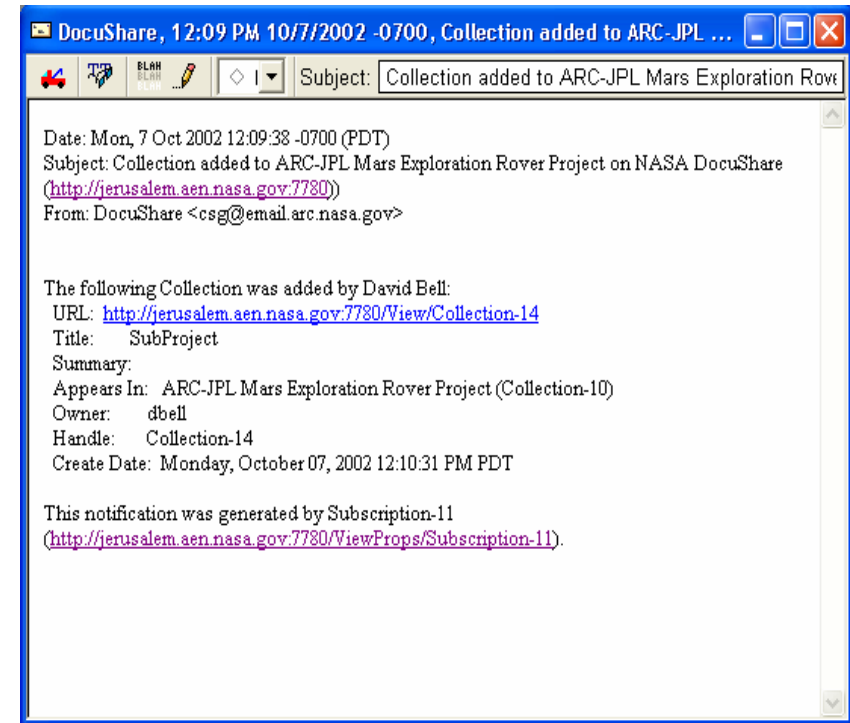
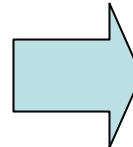
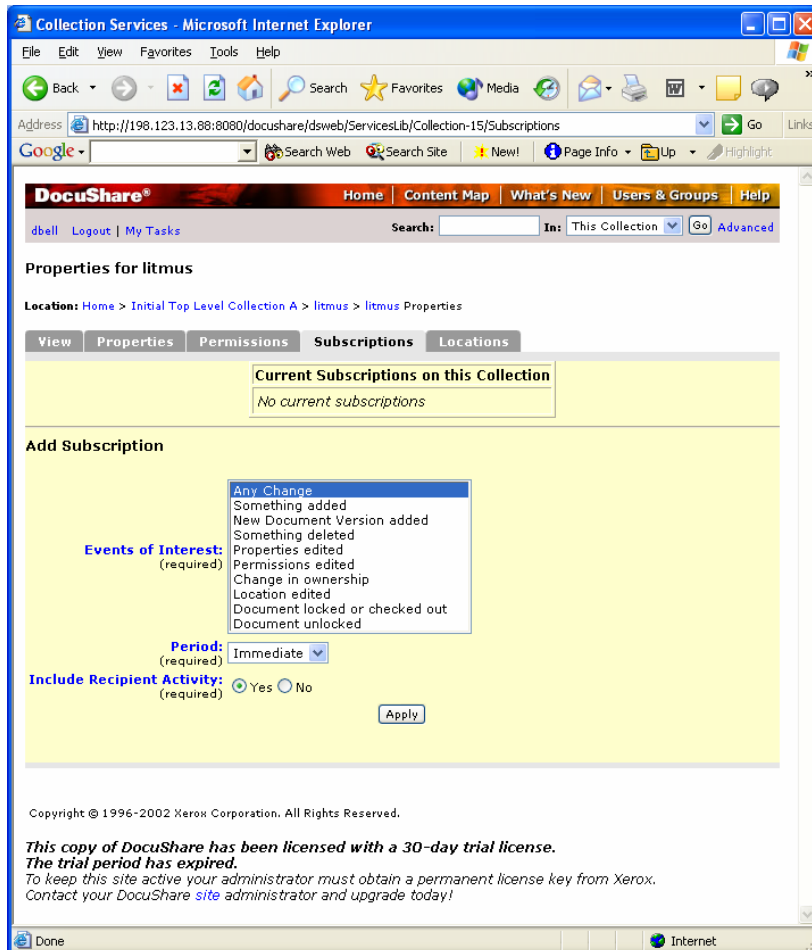
Web UI



- + change-log from comparison of Netmark data structure as new column in version table
- + context-based views on change-log

Automatic e-mail notification w/scripts

*user controls type and frequency (e.g., immediate, daily, weekly;
any change, new version, something added)*



**+ Context events of interest
(e.g., 'Change within context')**

Saved Query

(Can be the basis for an initial re-composition interface)

Add SavedQuery

Location: Home > Initial Top Level Collection & Add

Add SavedQuery

Title: (required)

Summary:

Description:

Keywords:

Initial Permissions: ☒ Same as container
☐ Same as container except write restricted to owner
☐ Restricted to owner

Search for: **Maximum Results:** 50

Object Type: ☒ All
☐ These types only
☐ Document ☐ Collection ☐ URL ☐ BulletinBoard
☐ Bulletin ☐ User ☐ Group ☐ Calendar
☐ Event ☐ SavedQuery ☐ Subscription

Document Type: Any

Where:

Any Part	contains		And
Any Part	contains		And
Any Part	contains		And
Any Part	contains		And

Create Date is after and is before mm/dd/yy
Create Date is after and is before mm/dd/yy

- + addition of context criteria
- + addition of output format (e.g., .doc, .html)
- + addition of output location (e.g., desktop, collection, file-id, ...)

Forms Processing

MSWord Form

Mishap Investigation Board
Fault Tree Closeout Record

Date: 10/22/2008

FAULT TREE ELEMENT(S):

SCENARIO:

ARGUMENTS FOR:

ARGUMENTS AGAINST:

DEDUCTIONS:

CONTRIBUTION OF THIS BLOCK TO FAILURE IS:

Click to Select

Source of Data:

Telemetry:

Photography/Video:

Physical Evidence:

Test:

Analysis:

Other:

Prepared by:

MIB Approval:

Manual
vs.
Automatic

- Fields
- Status
 - Description
 - Arguments For
 - Arguments Against
 - Deductions
 - Contribution to Failure
 - Assignee

File with Property Fields

Collection Services - Microsoft Internet Explorer

Address: http://198.123.13.88:8080/docushare/dsweb/ServicesLib/Collection-15/Properties

DocuShare® Home Content Map What's New Users & Groups Help

dbell Logout My Tasks Search: In: This Collection Go Advanced

Properties for litmus

Location: Home > Initial Top Level Collection A > litmus > litmus Properties

View Properties Permissions Subscriptions Locations

Title (required): litmus

Summary:

Description:

Keywords:

Expiration Date: (mm/dd/yyyy)

Sort Order (required): Type and Title

View Format (required): Detailed Listing

Logo:

Background Image:

Route Before Publishing (required): Yes No

Apply

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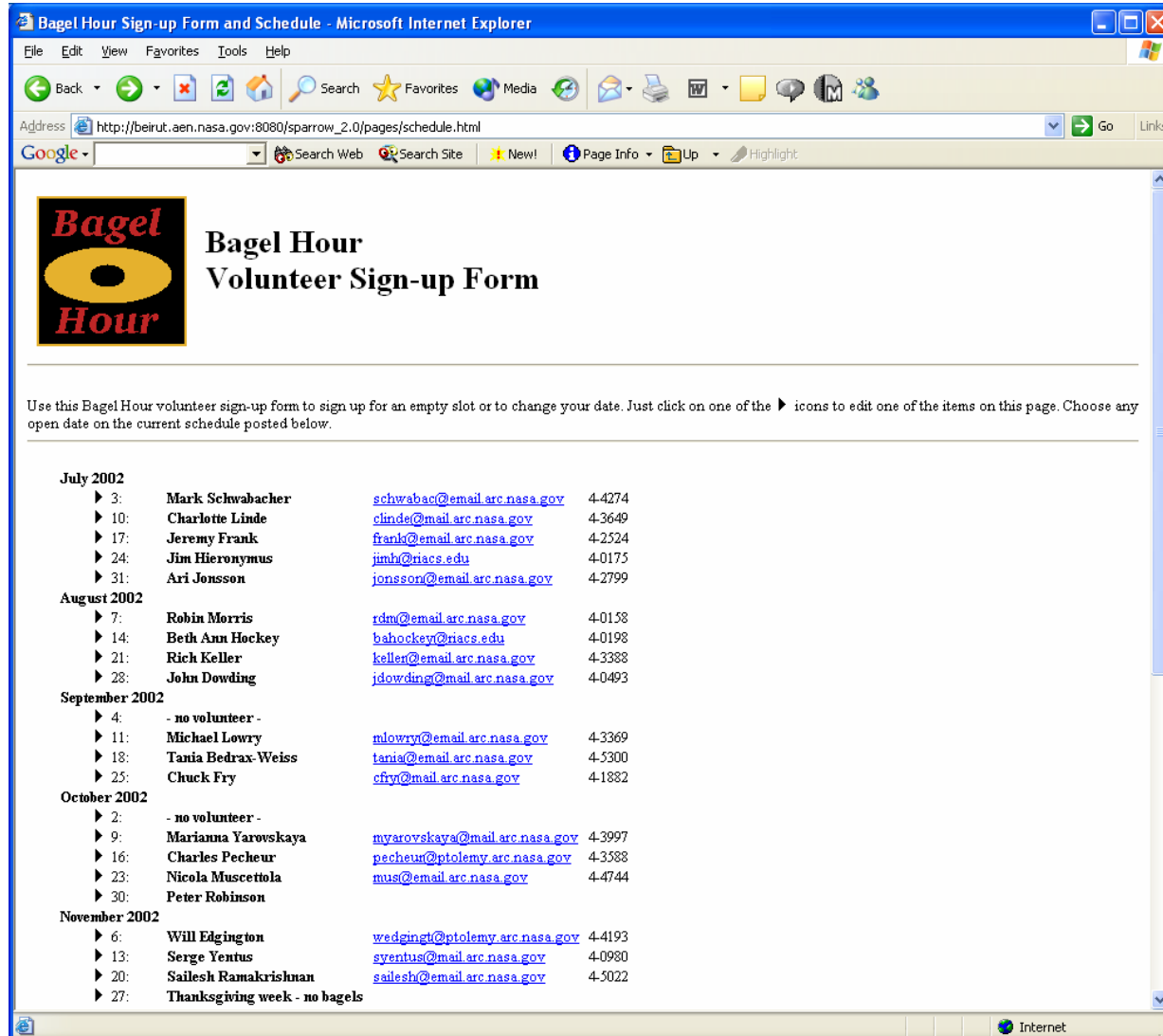
This copy of DocuShare has been licensed with a 30-day trial license. The trial period has expired. To keep this site active your administrator must obtain a permanent license key from Xerox. Contact your DocuShare site administrator and upgrade today!

+ auto insertion of document properties

+ context scripts

Sparrow Web use at NASA

Distributed sign-up for social hour volunteers



The screenshot shows a web browser window titled "Bagel Hour Sign-up Form and Schedule - Microsoft Internet Explorer". The address bar displays the URL: http://beirut.aen.nasa.gov:8080/sparrow_2.0/pages/schedule.html. The page features a logo for "Bagel Hour" (a yellow oval with a black dot) and the title "Bagel Hour Volunteer Sign-up Form".

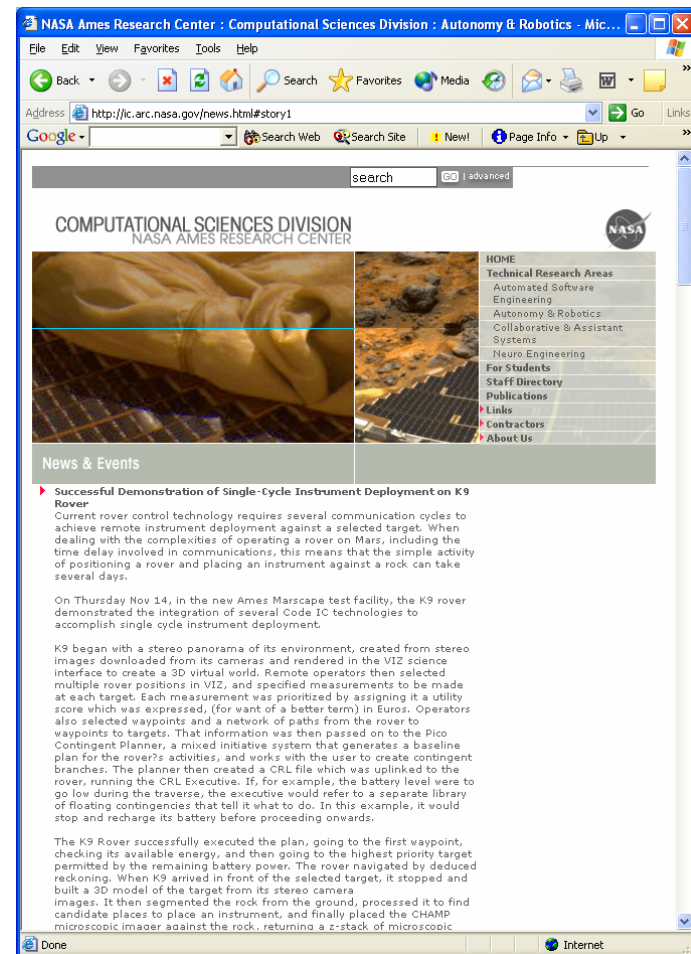
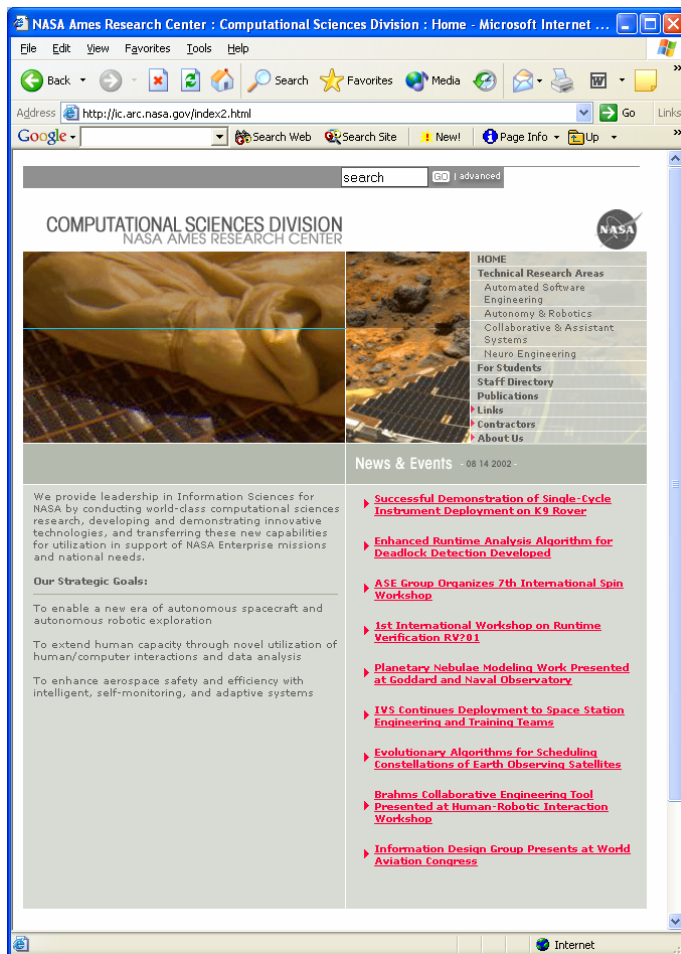
Below the title, a paragraph reads: "Use this Bagel Hour volunteer sign-up form to sign up for an empty slot or to change your date. Just click on one of the ► icons to edit one of the items on this page. Choose any open date on the current schedule posted below."

The schedule is organized by month, with each month listing dates and corresponding volunteer names and email addresses. The data is as follows:

Month	Date	Volunteer Name	Email Address	Phone Number
July 2002	3:	Mark Schwabacher	schwabac@mail.arc.nasa.gov	4-4274
	10:	Charlotte Linde	clinde@mail.arc.nasa.gov	4-3649
	17:	Jeremy Frank	frank@mail.arc.nasa.gov	4-2524
	24:	Jim Hieronymus	jimh@riacs.edu	4-0175
	31:	Ari Jonsson	jonsson@mail.arc.nasa.gov	4-2799
August 2002	7:	Robin Morris	rdm@mail.arc.nasa.gov	4-0158
	14:	Beth Ann Hockey	bahockey@riacs.edu	4-0198
	21:	Rich Keller	keller@mail.arc.nasa.gov	4-3388
	28:	John Dowding	jdowding@mail.arc.nasa.gov	4-0493
September 2002	4:	- no volunteer -		
	11:	Michael Lowry	mlowry@mail.arc.nasa.gov	4-3369
	18:	Tania Bedrax-Weiss	tania@mail.arc.nasa.gov	4-5300
	25:	Chuck Fry	cfry@mail.arc.nasa.gov	4-1882
October 2002	2:	- no volunteer -		
	9:	Marianna Yarovskaya	myarovskaya@mail.arc.nasa.gov	4-3997
	16:	Charles Pecheur	pecheur@ptolemy.arc.nasa.gov	4-3588
	23:	Nicola Muscettola	mus@mail.arc.nasa.gov	4-4744
November 2002	30:	Peter Robinson		
	6:	Will Edgington	wedgingt@ptolemy.arc.nasa.gov	4-4193
	13:	Serge Yentus	syentus@mail.arc.nasa.gov	4-0980
	20:	Sailesh Ramakrishnan	sailesh@mail.arc.nasa.gov	4-5022
	27:	Thanksgiving week - no bagels		

Sparrow Web use at NASA

Distributed authoring of public news & events



Sparrow Web use at NASA

Code IC Events & News Edit Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://armstrong.arc.nasa.gov:8080/sparrow_2.0/pages/homepage_edit.html

News & Events
Computational Sciences News & Events

Use this section to add any links to other sites, or to upload any class notes, handouts, and materials that you would like your students to have access to.

☒ Approved

StoryID: story1

Event Name: Successful Demonstration of Single-Cycle Instrument Deployment on K9 Rover

Event URL: news.html#story1

Event Description:

Event News:
Current rover control technology requires several communication cycles to achieve remote instrument deployment against a selected target. When dealing with the complexities of operating a rover on Mars, including the time delay involved in communications, this means that the simple activity of positioning a rover and placing an instrument against a rock can take several days.

On Thursday Nov 14, in the new Ames Marscape test facility, the K9 rover demonstrated the integration of several Code IC technologies to accomplish single cycle instrument deployment.

POC Name: Dr. Liam Pedersen

POC Email: pedersen@email.arc.nasa.gov
created on this date: 12/5/02.

Event Name: Successful Demonstration of Single-Cycle I

OK Cancel

[Move 1 Down] Archive Delete Controls

Enhanced Runtime Analysis Algorithm for Deadlock Detection Developed

Concurrency-related errors in multi-threaded mission software often manifest themselves only by

Copies content
from editable internal page
to formatted external pages,
for "approved" items,
when "update" button is pressed

